Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/06/2020 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124138	-1	2.70	124224	2.71
Blue	F	SSC	125000	123025	-2	1.65	123858	1.69
Blue	E	FITC	15892	15431	-3	2.79	337	19.90
Blue	D	PE	29999	29337	-3	1.94	638	14.93
Blue	B	PerCP-Cy5-5	43732	43236	-2	3.70	1163	20.28
Blue	A	PE-Cy7	30845	30668	-1	6.06	587	40.94
Red	C	APC	46112	45491	-2	2.45	1609	12.20
Red	A	APC-Cy7	30458	29847	-3	2.39	789	12.09
Violet	B	V450	7918	7507	-6	4.45	422	12.83
Violet	A	V500	32171	31025	-4	4.19	722	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17221	15.93	622	1	N/A	N/A	Pass
Blue	F	SSC	56082	1.22	561	2	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0216	227	Pass
Blue	D	PE	134	48.35	549	1	0.1467	212	Pass
Blue	B	PerCP-Cy5-5	213	49.76	657	1	0.0091	55	Pass
Blue	A	PE-Cy7	109	102.79	700	2	0.0109	21	Pass
Red	C	APC	382	25.40	588	4	0.0240	140	Pass
Red	A	APC-Cy7	174	29.45	560	4	0.0055	1155	Pass
Violet	B	V450	65	58.87	463	5	0.0608	2464	Pass
Violet	A	V500	109	33.81	479	5	0.0240	897	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.91	0.96
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	16.06	13.60 - 20.40	N/A	N/A	29.61	29.91	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9974

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments